Block view of the study programme

		Or	Th	Pr	Au	Cr
Block 1						
Compulsory courses						
MATH0073-1	*Elementary mathematics* - Julien LEROY - [15h Mon. WS]	Q1	30	30	[+]	**7**
MATH0069-1	*Matrix calculation* - Michel RIGO	Q1	30	25	-	**7**
MATH0071-1	*Fundamental analysis, part 1* - Samuel NICOLAY	Q1	45	30	-	**8**
PHYS1985-1	*General physics I* - John MARTIN, Nicolas VANDEWALLE	Q1	40	40	-	**7**
LANG2967-2	*English: introduction* (english language) - Véronique DOPPAGNE	Q1	30	-	-	**2**
MATH0070-1	*Linear algebra* - Michel RIGO	Q2	30	25	-	**6**
MATH0072-1	*Fundamental analysis, part 2* - Samuel NICOLAY	Q2	45	30	-	**7**
MATH1203-1	*Geometry I* - *Elements of affine and Euclidian geometry* - Pierre MATHONET - *Additional affine and Euclidian geometry* - Pierre MATHONET	Q2	 25 15	 15 15	 - -	**7**
MATH1472-1	*Descriptive statistics and data analysis* - Arnout VAN MESSEM - [10h Mon. WS]	Q2	25	15	[+]	**5**
MATH2010-1	*Mathematical software* - Emilie CHARLIER	Q2	15	30	-	**4**
Learning support activities						
AREM0007-1	*Remedial "Computer Science"* - Bernard BOIGELOT - [10h REM]	Q2	-	-	[+]	-
AREM0008-1	*Help to succeed in "Computer Science"* - Bernard BOIGELOT - [10h REM]	Q1	-	-	[+]	-
IREM0001-1	*Adjusting working methods after the January session (reduced course loads)* - Amélie BASTEYNS, AnneFrance LANOTTE - [3h REM]	Q2	-	-	[+]	-
IREM0002-1	*Getting organised in the specific context of reduced course loads* - Amélie AUQUIÈRE, AnneFrance LANOTTE - [2h REM]	Q2	-	-	[+]	-
IREM0003-1	*Preparing for the Spring block and the May-June exams (reduced course loads)* - Amélie AUQUIÈRE, AnneFrance LANOTTE - [3h REM]	Q2	-	-	[+]	-
IREM0005-1	*Planning the second session (reduced course loads)* - Amélie AUQUIÈRE, AnneFrance LANOTTE - [3h REM]	Q2	-	-	[+]	-
IREM0006-1	*#BloqueBooster: supervised exam revision in the Spring holidays* - Stéphanie GENDARME - [5d REM]	Q2	-	-	[+]	-
IREM0007-1	*Zen@etudes: How and why to manage stress? (reduced course loads)* - Sandrine WUIDART - [2h REM]	Q2	-	-	[+]	-
IREM0008-1	*Keeping or increasing motivation in a context of a reduced course loads* - Céline MATHY, Sandrine WUIDART - [2h REM]	Q2	-	-	[+]	-
IREM0009-1	*Hebdo MethodO support with additional help in connection to the context of repeating a year* - Sylviane HUBERT, AnneFrance LANOTTE - [5h REM]	TA	-	-	[+]	-
IREM0010-1	*Getting the year off to a good start* - Sylviane HUBERT, AnneFrance LANOTTE - [2h REM]	Q1	-	-	[+]	-
IREM0011-1	*Progressing effectively in the 1st term* - Amélie AUQUIÈRE, AnneFrance LANOTTE - [2h REM]	Q1	-	-	[+]	-
IREM0012-1	*Preparing for the January exams: becoming familiar with the requirements and specificities of university exams* - Amélie AUQUIÈRE, AnneFrance LANOTTE - [3h REM]	Q1	-	-	[+]	-
IREM0013-1	*Planning your January session: establishing a work programme* - Amélie AUQUIÈRE, AnneFrance LANOTTE - [3h REM]	Q1	-	-	[+]	-
IREM0015-1	*Adapting your organisation after the January session (fewer than 30 credits approved)* - Amélie BASTEYNS, AnneFrance LANOTTE - [3h REM]	Q2	-	-	[+]	-

IREM0016-1	*Planning your May-June session (fewer than 30 credits approved)* - Amélie AUQUIÈRE, AnneFrance LANOTTE - [3h REM]	Q2	-	-	[+]	-
IREM0017-1	*Planning your second session (fewer than 30 credits approved)* - Amélie AUQUIÈRE, AnneFrance LANOTTE - [3h REM]	Q2	-	-	[+]	-
IREM0018-1	*Maintaining or rediscovering your motivation if you have to repeat a year (Q1)* - Céline MATHY, Sandrine WUIDART - [2h REM]	Q1	-	-	[+]	-
IREM0019-1	*Zen@etudes: The hows and whys of stress management (fewer than 30 credits approved - Q1)* - Sandrine WUIDART - [2h REM]	Q1	-	-	[+]	-
IREM0020-1	*Maintaining or rediscovering your motivation if you have to repeat a year (Q2)* - Céline MATHY, Sandrine WUIDART - [2h REM]	Q2	-	-	[+]	-
IREM0021-1	*Zen@etudes: How and why to manage stress? (fewer than 30 credits approved - Q2)* - Sandrine WUIDART - [2h REM]	Q2	-	-	[+]	-
LREM0005-1	*Taking stock of your French skills (Q2)* - Marielle MARÉCHAL - [1,5h REM]	Q2	-	-	[+]	-
LREM0010-1	*Taking stock of your skills in French (Q1)* - Samia HAMMAMI, Frédéric SAENEN - [15h REM]	Q1	-	-	[+]	-
SREM0009-2	*Learning support activities in Physics I, for Mathematics* - John MARTIN, Nicolas VANDEWALLE - [20h REM]	TA	-	-	[+]	-
SREM0018-1	*Learning support activities in Mathematics I for Mathematicians* - Julien LEROY, Samuel NICOLAY, Michel RIGO - [20h REM]	Q1	-	-	[+]	-
SREM0019-3	*Learning support activities in Mathematics II, for Mathematics* - Samuel NICOLAY - [26h REM]	Q2	-	-	[+]	-
SREM0021-2	*Learning support activities in Physics II, for Mathematics* - Ngoc Duy NGUYEN - [20h REM]	Q2	-	-	[+]	-

Block 2

Compulsory courses

MATH0080-1	*Differential calculus* - JeanPierre SCHNEIDERS **Prerequisite :** MATH0072-1 - Analyse fondamentale, partie 2 MATH0071-1 - Analyse fondamentale, partie 1 **Corequisite :** MATH2011-1 - Compléments d'algèbre linéaire	Q1	30	30	-	**6**
MATH2011-1	*Linear algebra supplements* - Laurent LOOSVELDT **Prerequisite :** MATH0070-1 - Algèbre linéaire MATH0069-1 - Calcul matriciel	Q1	30	20	-	**5**
MATH0503-1	*Logic and mathematical approach of programming* - Michel RIGO - [30h Mon. WS] **Prerequisite :** MATH2010-1 - Logiciels mathématiques	Q1	20	-	[+]	**5**
MATH0499-1	*Graph theory* - Michel RIGO **Prerequisite :** MATH0070-1 - Algèbre linéaire	Q1	25	20	-	**4**
MATH0248-1	*Geometry II* - Pierre MATHONET **Prerequisite :** MATH1203-1 - Géométrie I MATH0070-1 - Algèbre linéaire	Q2	30	30	-	**6**
MATH2006-2	*Introduction to numerical analysis* - JeanPierre SCHNEIDERS **Prerequisite :** MATH0072-1 - Analyse fondamentale, partie 2 MATH0071-1 - Analyse fondamentale, partie 1 **Corequisite :**	Q2	30	30	-	**6**

	MATH0503-1 - Logique et approche mathématique de la programmation					
MATH0081-1	*Integral calculation* - Samuel NICOLAY **Prerequisite :** MATH0072-1 - Analyse fondamentale, partie 2 MATH0071-1 - Analyse fondamentale, partie 1 **Corequisite :** MATH0080-1 - Calcul différentiel	Q2	30	30	-	**6**
MATH0246-2	*Algebraic structures* - Julien LEROY	Q2	30	30	-	**6**
LANG0076-4	*English 1* (english language) - Véronique DOPPAGNE, Caroline VAN LINTHOUT **Prerequisite :** LANG2967-2 - Anglais : introduction	TA	45	-	-	**4**

Optional courses

In agreement with the Jury, choose courses for a total of 12 credits from the courses offered below:

Mathematics applied to economics and management

ECON0323-1	*First principles of economics* - HenryJean GATHON	Q1	26	-	-	**3**
GEST0832-4	*Financial Markets* - Georges HÜBNER	Q2	40	15	-	**5**
GEST0029-1	*General Corporate Accounting (Night classes)* - Anne BILS	Q2	30	15	-	**4**

Physics

MECA0201-1	*Analytical Mechanics I* - Pierre DAUBY	Q1	30	30	-	**6**
PHYS1986-1	*General physics II, Part A* - Ngoc Duy NGUYEN	Q2	35	25	-	**6**

Computer science

INFO2009-2	*Introduction to computer science* - Bernard BOIGELOT **Corequisite :** MATH0503-1 - Logique et approche mathématique de la programmation	Q1	24	14	-	**4**
INFO0061-4	*Computers organization* - Bernard BOIGELOT **Corequisite :** MATH0503-1 - Logique et approche mathématique de la programmation	Q2	15	15	-	**3**
INFO0062-1	*Object-oriented programming* (english language) - Bernard BOIGELOT - [20h Proj.] **Corequisite :** MATH0503-1 - Logique et approche mathématique de la programmation	Q2	25	20	[+]	**5**

Optional free course

OCEA0053-1	*Study of Oceans and Coastal Management* - Sylvie GOBERT, Anne GOFFART	Q2	15	25	-	**4**

Block 3

Compulsory courses

MATH0510-1	*Additional analysis* - JeanPierre SCHNEIDERS **Prerequisite :** MATH0080-1 - Calcul différentiel MATH2006-2 - Introduction à l'analyse numérique	Q1	30	30	-	**6**
MATH0256-2	*Differential Geometry I* - Pierre MATHONET	Q1	30	20	-	**5**
MATH2023-1	*Theory of formal languages* - Julien LEROY	Q1	30	20	-	**5**
MATH7372-1	*Probabilities* - Céline ESSER **Prerequisite :** MATH0081-1 - Calcul intégral	Q1	30	30	-	**6**
MATH2250-1	*Galois theory* - Emilie CHARLIER **Prerequisite :**	Q2	30	20	-	**5**

MATH0246-2 - Structures algébriques

MATH0474-1	*Statistics* - Gentiane HAESBROECK - [10h Mon. WS] **Prerequisite :** MATH0080-1 - Calcul différentiel MATH0081-1 - Calcul intégral **Corequisite :** MATH7372-1 - Probabilités	Q2	25	15	[+]	**5**
MATH0511-1	*Introduction to harmonic analysis* - Françoise BASTIN **Prerequisite :** MATH0080-1 - Calcul différentiel MATH0081-1 - Calcul intégral	Q2	30	30	-	**6**
DOCU0044-1	*Techniques of documentation and communication, integrated project* - *Part 1: Techniques of documentation and communication* - Fabienne PROSMANS - *Part 2: Integrated project* - Emilie CHARLIER **Prerequisite :** MATH0081-1 - Calcul intégral MATH0246-2 - Structures algébriques MATH0499-1 - Théorie des graphes MATH0248-1 - Géométrie II **Corequisite :** MATH7372-1 - Probabilités	TA 30 -	 - -	 - -	 - -	**6**
LANG0077-6	*English 2* (english language) - Véronique DOPPAGNE, Caroline VAN LINTHOUT **Prerequisite :** LANG0076-4 - Anglais 1	TA	45	-	-	**4**

Optional courses

In agreement with the Jury, choose courses for a total of 12 credits from the courses offered below or from the elective courses not already chosen in block 2:

Mathematics applied to economics and management

MQGE0001-6	*Operations Research* (english language) - Jérôme DE BOECK	Q1	45	-	-	**6**
FINA0053-1	*Investments and Portfolio Management* (english language) - Georges HÜBNER **Prerequisite :** GEST0832-4 - Marchés financiers	Q2	30	-	-	**6**

Physics

MECA0523-1	*Analytical mechanics II* - *Part A* - Pierre DAUBY - *Part B* - Pierre DAUBY	Q1 12 18	 15 15	 - -	 	**6**
MECA0523-2	*Analytical mechanics II, Part A* - Pierre DAUBY	Q1	12	15	-	**3**
SPAT0065-1	*Introduction to Astronomy* - Grégor RAUW	Q1	20	10	-	**3**
PHYS3030-2	*Electromagnetism* - *Partim A* - John MARTIN - *Partim B* - John MARTIN	Q2 30 -	 15 5	 - -	 	**6**

Computer science

MATH0462-1	*Discrete optimization* (english language) - Quentin LOUVEAUX - [25h Proj.]	Q2	30	20	[+]	**6**
INFO0054-1	*Functional programming* - Christophe DEBRUYNE - [20h Proj.]	Q1	24	24	[+]	**6**
MATH1222-3	*Introduction to stochastic processes* - Céline ESSER, Pierre GEURTS - [10h Mon. WS] **Prerequisite :** INFO2009-2 - Introduction à l'informatique	Q2	20	10	[+]	**4**

INFO0062-1 - Object-oriented programming
Corequisite :
MATH7372-1 - Probabilités
MATH0474-1 - Statistique

Mathematics

MATH0257-2	*Complex analysis* - JeanPierre SCHNEIDERS **Prerequisite :** MATH0080-1 - Calcul différentiel MATH0081-1 - Calcul intégral	Q1	30	30	-	**6**
MATH0212-2	*General topology* - Céline ESSER - [10h Mon. WS]	Q2	30	20	[+]	**6**

[...] elective courses not already chosen in block 2